

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102922\
 Data File : BF130854.D
 Acq On : 29 Oct 2022 13:41
 Operator : CG\JU
 Sample : N5327-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LACY-03

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 10/31/2022
 Supervised By : Jagrut Upadhyay 11/01/2022

Quant Time: Oct 30 23:23:15 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 29 05:41:34 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.939	152	85854	20.000	ng	0.00
21) Naphthalene-d8	8.228	136	325119	20.000	ng	# 0.00
39) Acenaphthene-d10	9.986	164	171626	20.000	ng	-0.01
64) Phenanthrene-d10	11.474	188	275749	20.000	ng	-0.01
76) Chrysene-d12	14.121	240	170069	20.000	ng	-0.01
86) Perylene-d12	15.639	264	158495	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	574564	116.019	ng	0.00
7) Phenol-d6	6.557	99	743001	115.453	ng	0.00
23) Nitrobenzene-d5	7.504	82	476121	88.305	ng	-0.01
42) 2,4,6-Tribromophenol	10.774	330	175640	121.572	ng	-0.01
45) 2-Fluorobiphenyl	9.304	172	864309	76.138	ng	0.00
79) Terphenyl-d14	13.068	244	650441	70.083	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.498	178	83495	5.867	ng	99
75) Fluoranthene	12.692	202	147112	9.729	ng	98
78) Pyrene	12.921	202	136902	9.541	ng	100
81) Benzo(a)anthracene	14.110	228	81647	7.241	ng	97
83) Chrysene	14.145	228	73972	6.801	ng	96
84) Bis(2-ethylhexyl)phtha...	14.098	149	24410	3.933	ng	97
87) Indeno(1,2,3-cd)pyrene	17.168	276	30533	2.901	ng	95
88) Benzo(b)fluoranthene	15.186	252	94322m	9.206	ng	
89) Benzo(k)fluoranthene	15.215	252	23669m	2.371	ng	
90) Benzo(a)pyrene	15.568	252	60499	7.345	ng	96
92) Benzo(g,h,i)perylene	17.639	276	29229	3.339	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

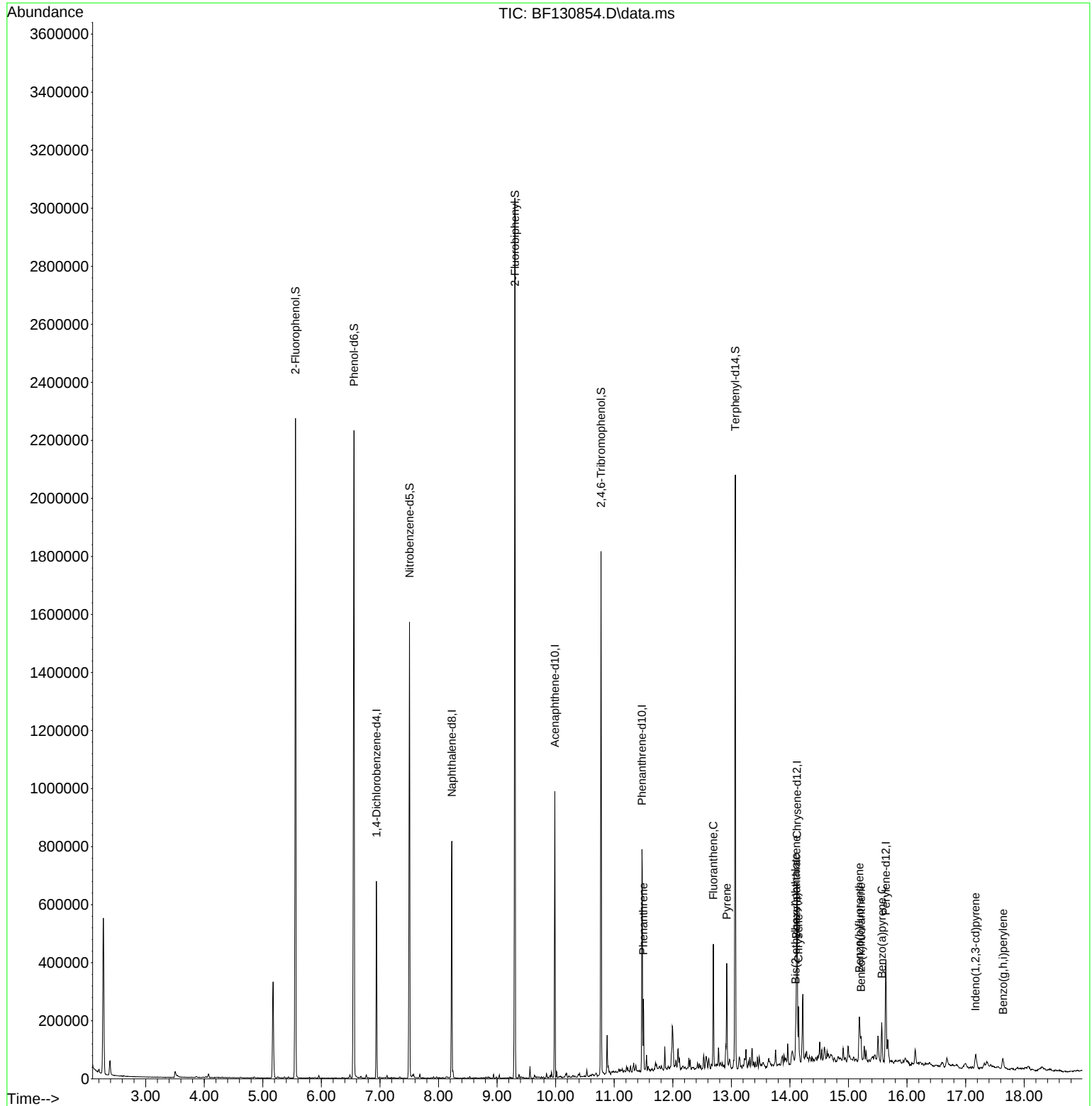
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102922\
Data File : BF130854.D
Acq On : 29 Oct 2022 13:41
Operator : CG\JU
Sample : N5327-04
Misc :
ALS Vial : 5 Sample Multiplier: 1

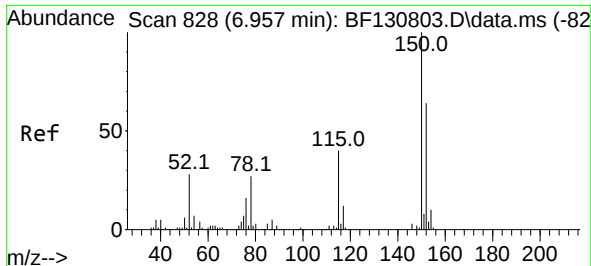
Instrument :
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Quant Time: Oct 30 23:23:15 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 29 05:41:34 2022
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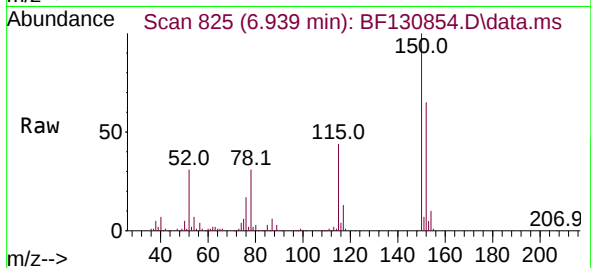
Reviewed By : Christian Giraldo 10/31/2022
Supervised By : Jagrut Upadhyay 11/01/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.939 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF130854.D
Acq: 29 Oct 2022 13:41

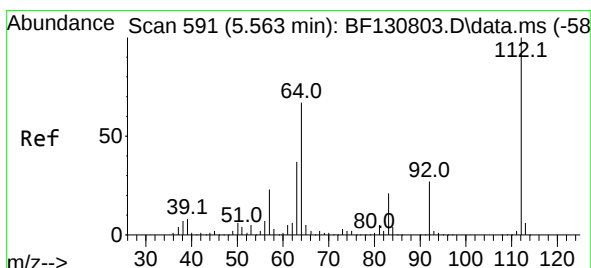
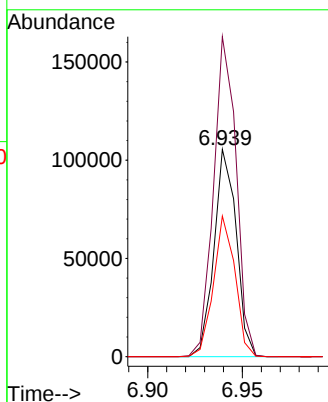
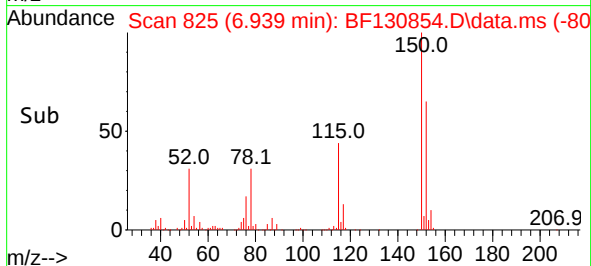
Instrument :
BNA_F
ClientSampleId :
LACY-03



Tgt Ion:152 Resp: 85854
Ion Ratio Lower Upper
152 100
150 154.4 124.1 186.1
115 67.9 50.1 75.1

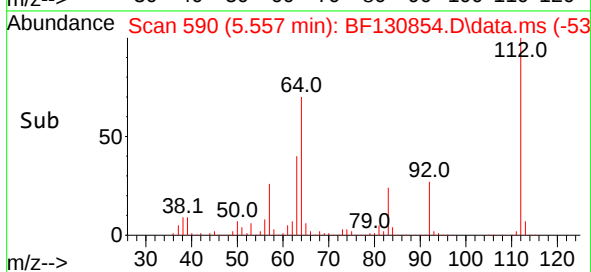
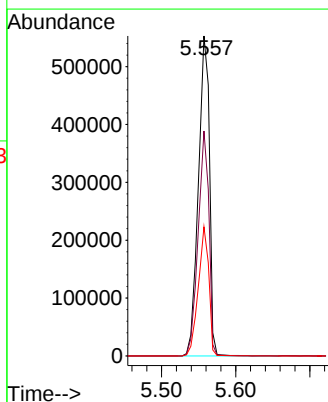
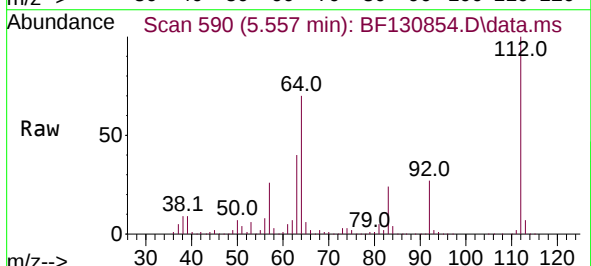
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#5
2-Fluorophenol
Concen: 116.019 ng
RT: 5.557 min Scan# 590
Delta R.T. -0.000 min
Lab File: BF130854.D
Acq: 29 Oct 2022 13:41

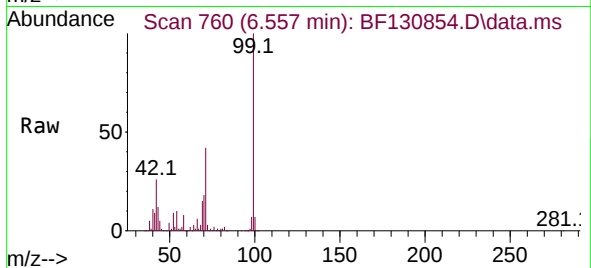
Tgt Ion:112 Resp: 574564
Ion Ratio Lower Upper
112 100
64 70.3 53.9 80.9
63 40.3 29.4 44.2





#7
Phenol-d6
Concen: 115.453 ng
RT: 6.557 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF130854.D
Acq: 29 Oct 2022 13:41

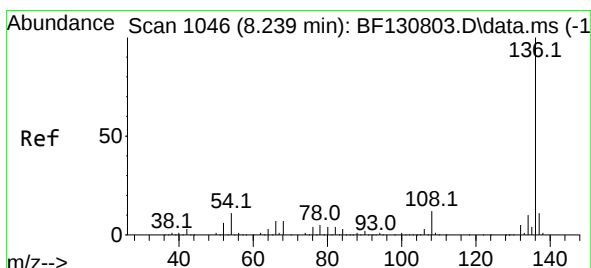
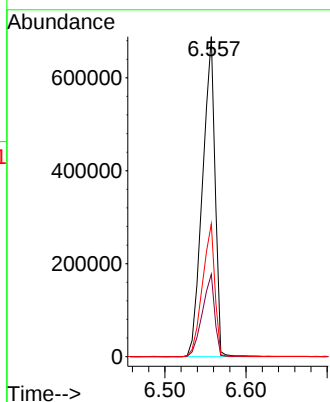
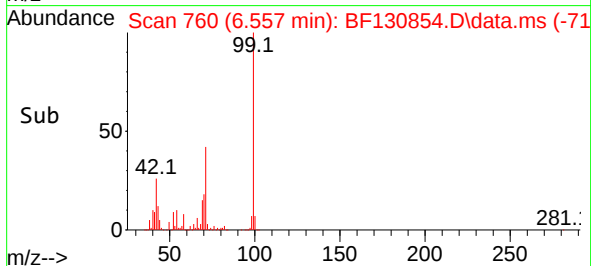
Instrument :
BNA_F
ClientSampleId :
LACY-03



Tgt Ion: 99 Resp: 74300
Ion Ratio Lower Upper
99 100
42 25.7 18.8 28.2
71 41.5 31.4 47.0

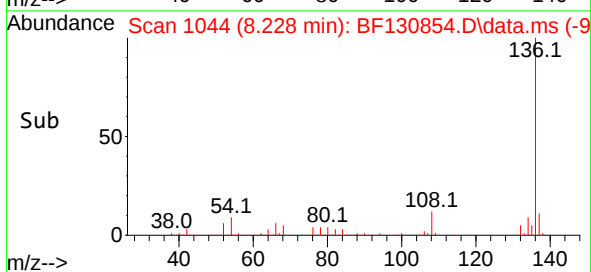
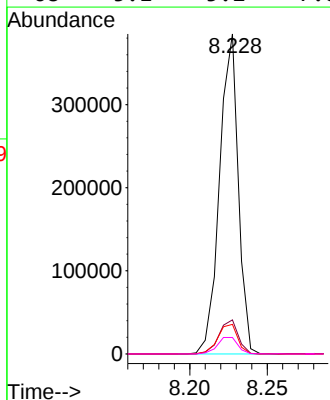
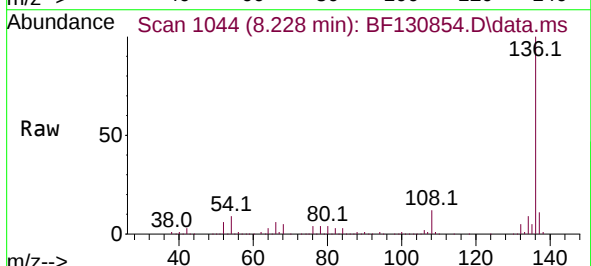
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.228 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BF130854.D
Acq: 29 Oct 2022 13:41

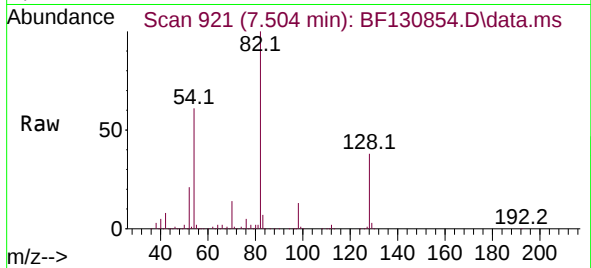
Tgt Ion:136 Resp: 325119
Ion Ratio Lower Upper
136 100
137 10.6 9.2 13.8
54 9.2 8.8 13.2
68 5.1 5.2 7.8#





#23
Nitrobenzene-d5
Concen: 88.305 ng
RT: 7.504 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF130854.D
Acq: 29 Oct 2022 13:41

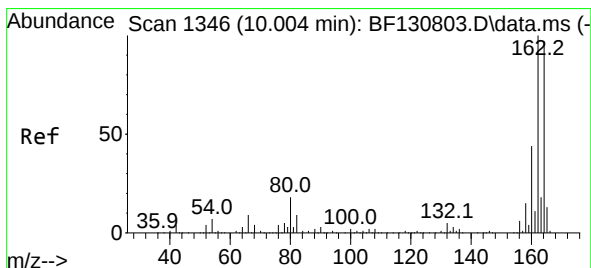
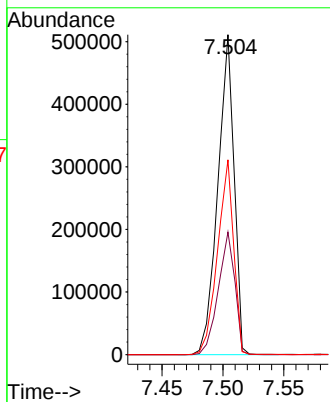
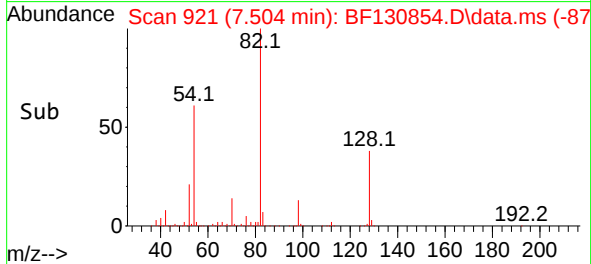
Instrument :
BNA_F
ClientSampleId :
LACY-03



Tgt Ion: 82 Resp: 476121
Ion Ratio Lower Upper
82 100
128 38.3 31.2 46.8
54 60.9 48.0 72.0

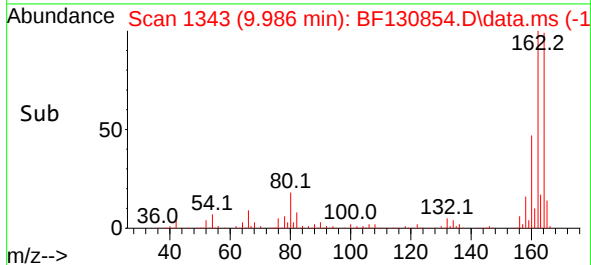
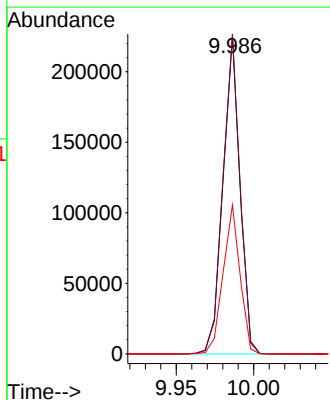
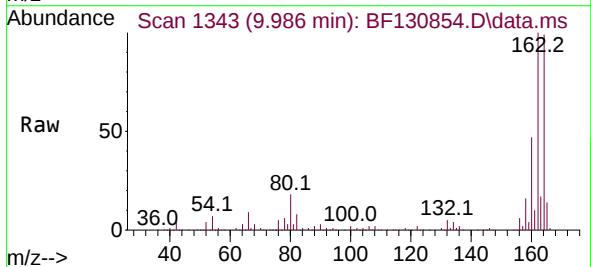
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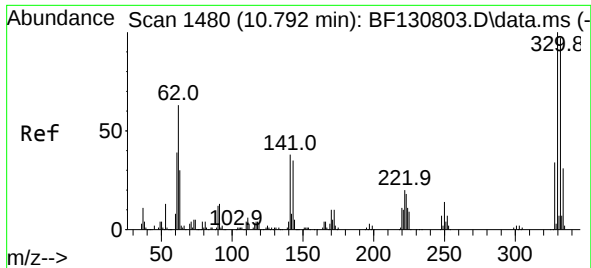
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.986 min Scan# 1343
Delta R.T. -0.012 min
Lab File: BF130854.D
Acq: 29 Oct 2022 13:41

Tgt Ion:164 Resp: 171626
Ion Ratio Lower Upper
164 100
162 100.5 82.2 123.2
160 46.8 36.6 54.8





#42
2,4,6-Tribromophenol
Concen: 121.572 ng
RT: 10.774 min Scan# 1480
Delta R.T. -0.012 min
Lab File: BF130854.D
Acq: 29 Oct 2022 13:41

Instrument :

BNA_F

ClientSampleId :

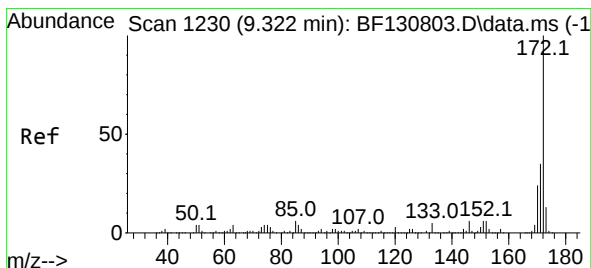
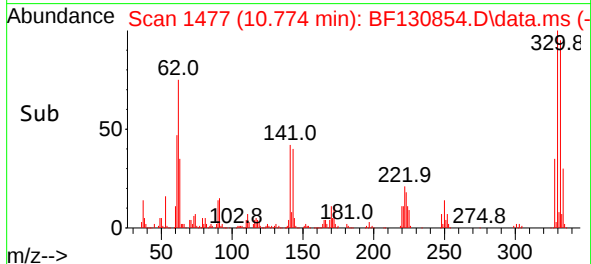
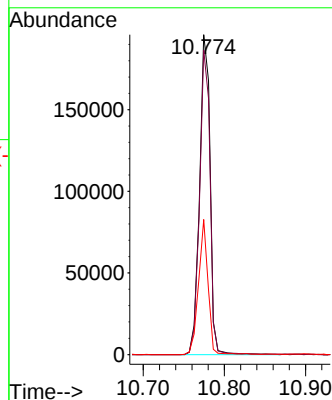
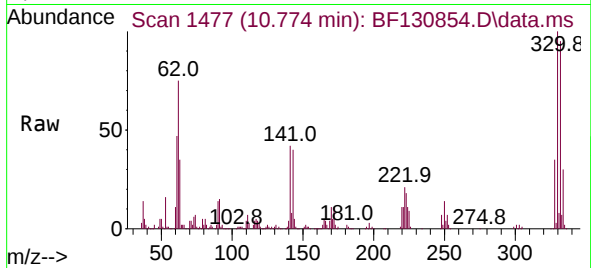
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Tgt Ion:330 Resp: 175640
Ion Ratio Lower Upper
330 100
332 94.7 76.2 114.4
141 38.0 31.4 47.0

Manual Integrations

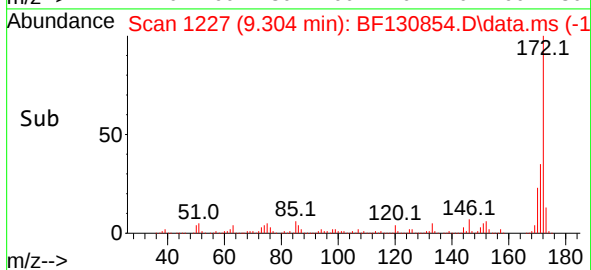
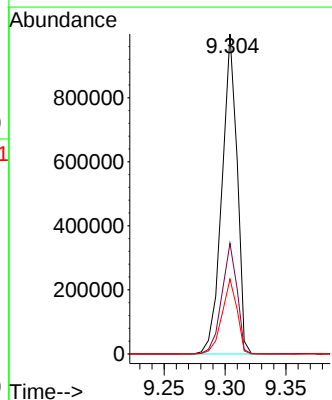
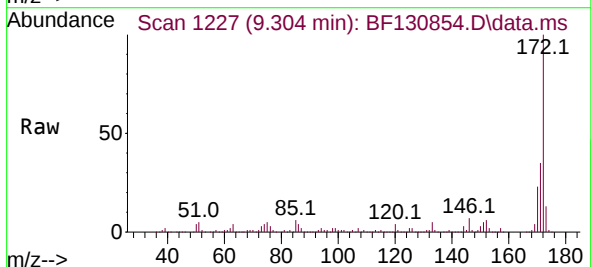
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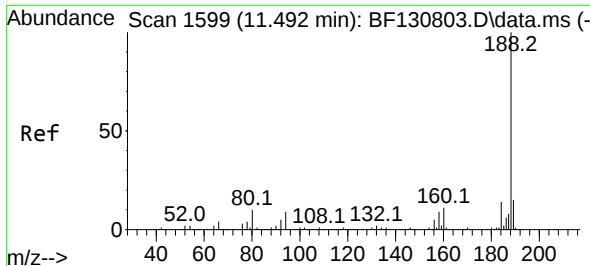
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#45
2-Fluorobiphenyl
Concen: 76.138 ng
RT: 9.304 min Scan# 1227
Delta R.T. -0.006 min
Lab File: BF130854.D
Acq: 29 Oct 2022 13:41

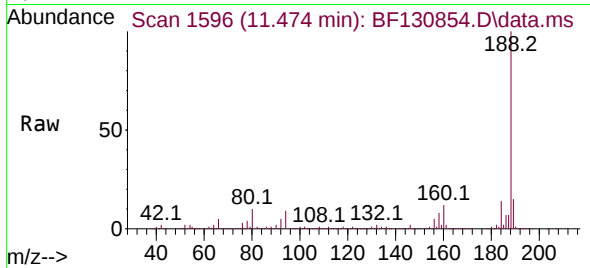
Tgt Ion:172 Resp: 864309
Ion Ratio Lower Upper
172 100
171 34.6 28.1 42.1
170 23.4 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.474 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130854.D
Acq: 29 Oct 2022 13:41

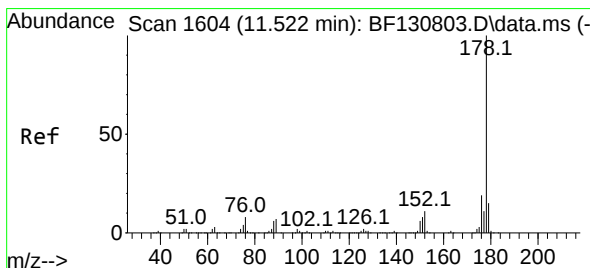
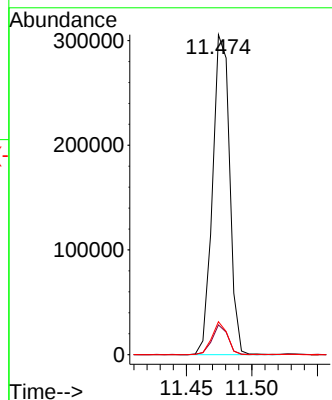
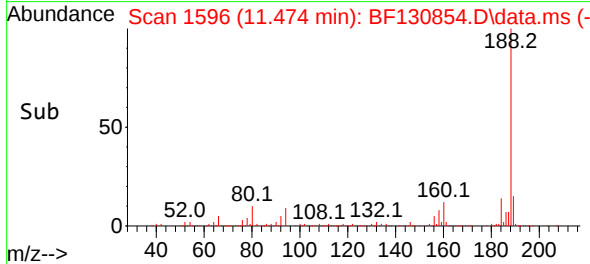
Instrument :
BNA_F
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LACY-03



Tgt Ion:188 Resp: 275749
Ion Ratio Lower Upper
188 100
94 9.3 7.4 11.2
80 10.3 8.0 12.0

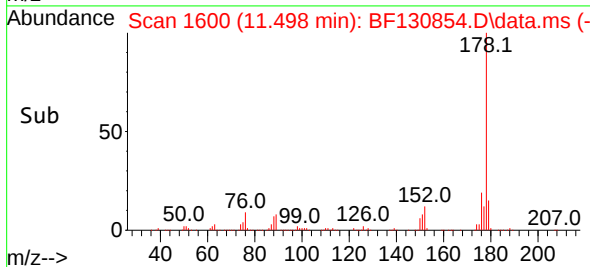
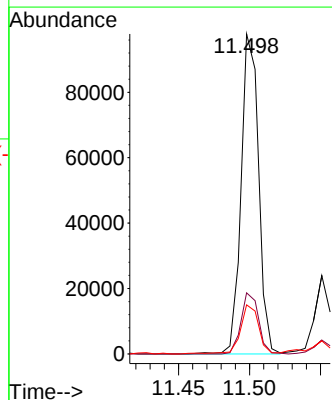
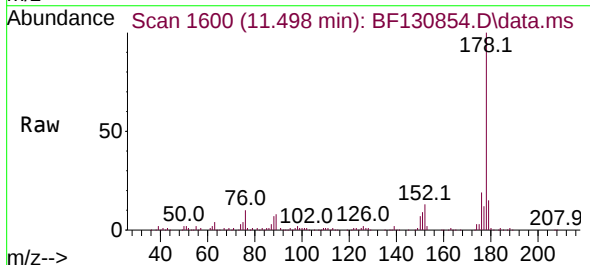
Manual Integrations
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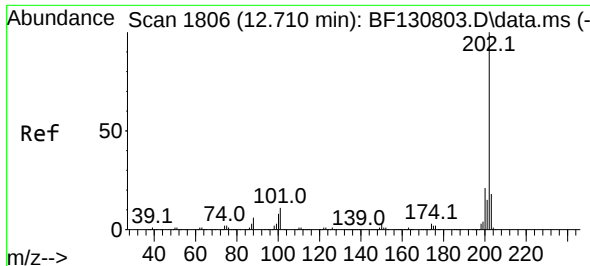
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#71
Phenanthrene
Concen: 5.867 ng
RT: 11.498 min Scan# 1600
Delta R.T. -0.012 min
Lab File: BF130854.D
Acq: 29 Oct 2022 13:41

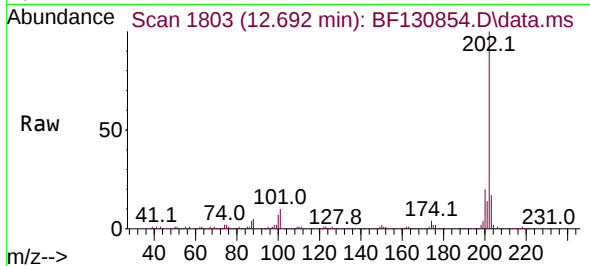
Tgt Ion:178 Resp: 83495
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 15.3 12.2 18.2





#75
Fluoranthene
Concen: 9.729 ng
RT: 12.692 min Scan# 1806
Delta R.T. -0.012 min
Lab File: BF130854.D
Acq: 29 Oct 2022 13:41

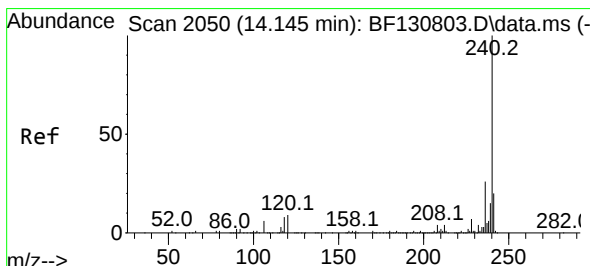
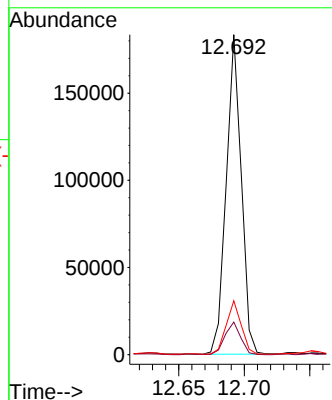
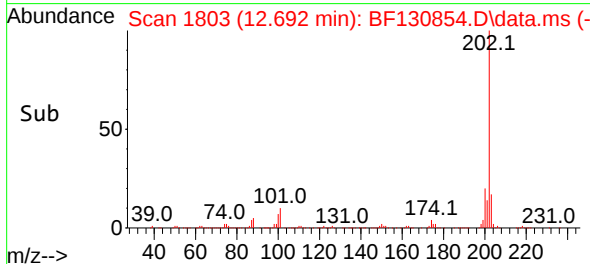
Instrument :
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LACY-03



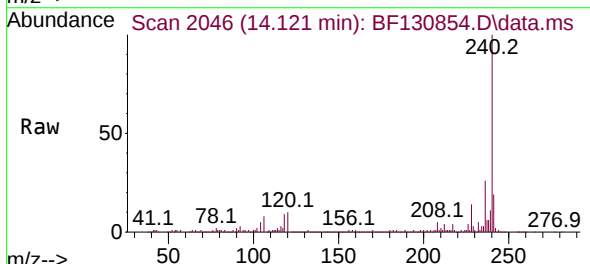
Tgt Ion:202 Resp: 147112
Ion Ratio Lower Upper
202 100
101 10.2 0.0 30.9
203 16.8 0.0 37.7

Manual Integrations
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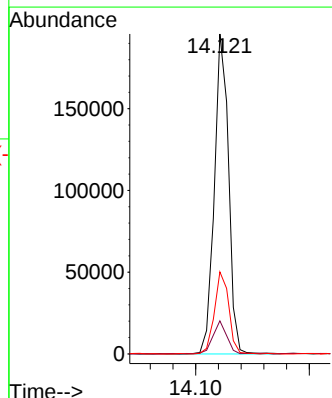
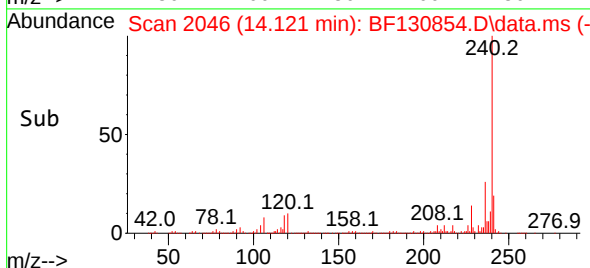
Reviewed By :Christian Giraldo 10/31/2022
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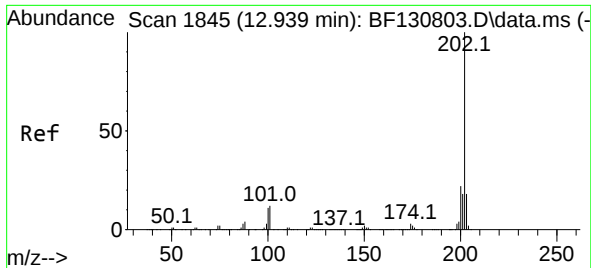


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2046
Delta R.T. -0.012 min
Lab File: BF130854.D
Acq: 29 Oct 2022 13:41



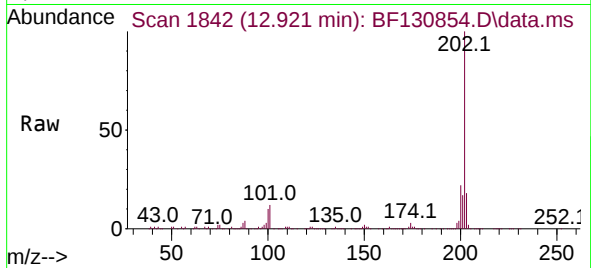
Tgt Ion:240 Resp: 170069
Ion Ratio Lower Upper
240 100
120 10.3 7.0 10.4
236 25.6 20.5 30.7





#78
Pyrene
Concen: 9.541 ng
RT: 12.921 min Scan# 1845
Delta R.T. -0.012 min
Lab File: BF130854.D
Acq: 29 Oct 2022 13:41

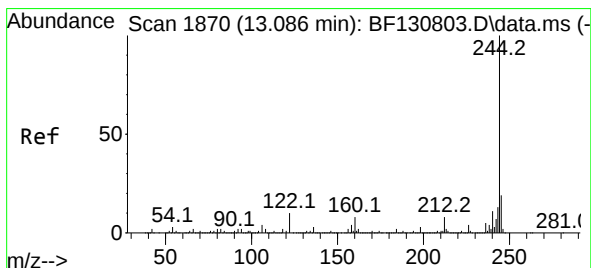
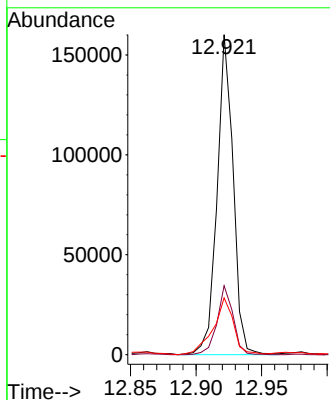
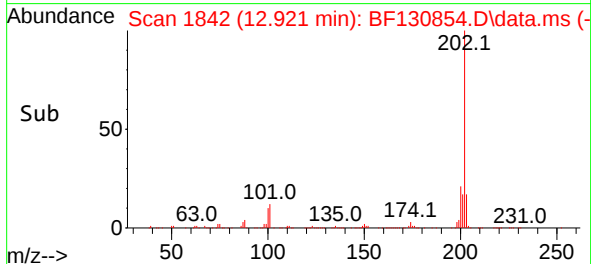
Instrument :
BNA_F
ClientSampleId :
LACY-03



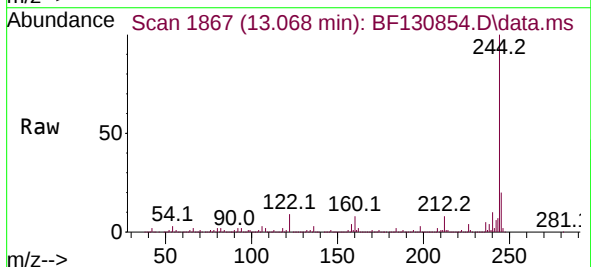
Tgt Ion:202 Resp: 136902
Ion Ratio Lower Upper
202 100
200 21.5 17.2 25.8
203 17.7 14.5 21.7

Manual Integrations
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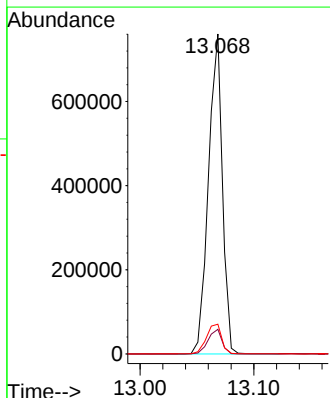
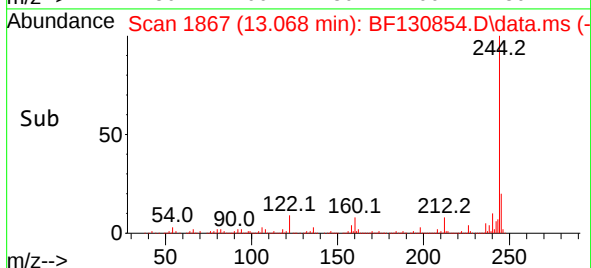
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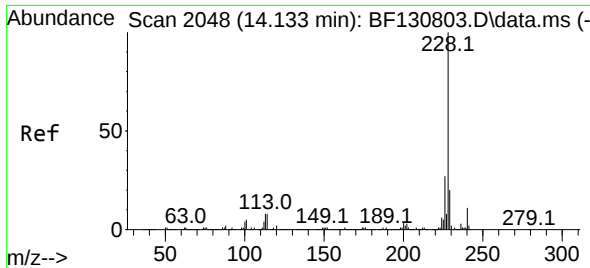


#79
Terphenyl-d14
Concen: 70.083 ng
RT: 13.068 min Scan# 1867
Delta R.T. -0.006 min
Lab File: BF130854.D
Acq: 29 Oct 2022 13:41



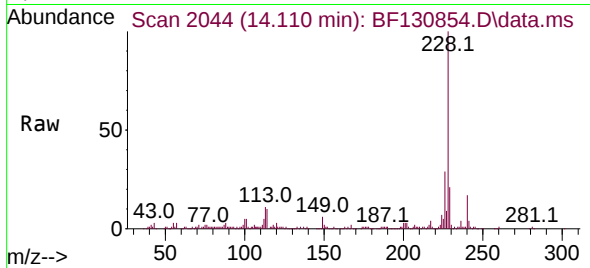
Tgt Ion:244 Resp: 650441
Ion Ratio Lower Upper
244 100
212 7.7 6.2 9.2
122 9.3 7.9 11.9





#81
Benzo(a)anthracene
Concen: 7.241 ng
RT: 14.110 min Scan# 2044
Delta R.T. -0.012 min
Lab File: BF130854.D
Acq: 29 Oct 2022 13:41

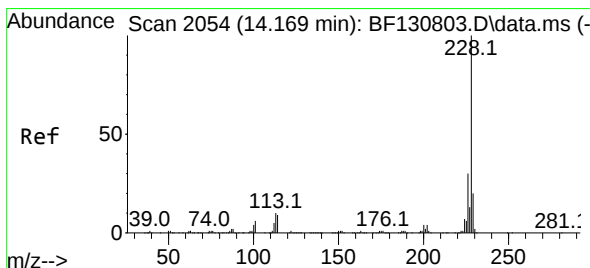
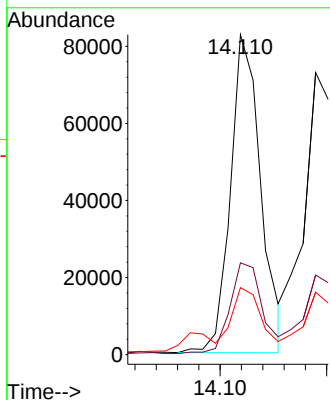
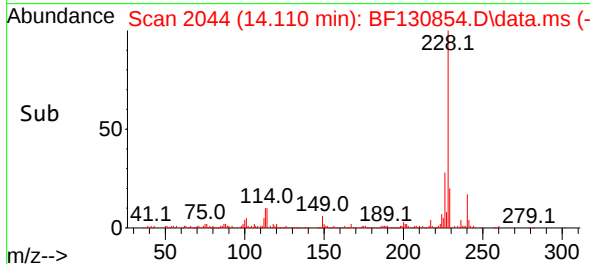
Instrument :
BNA_F
ClientSampleId :
LACY-03



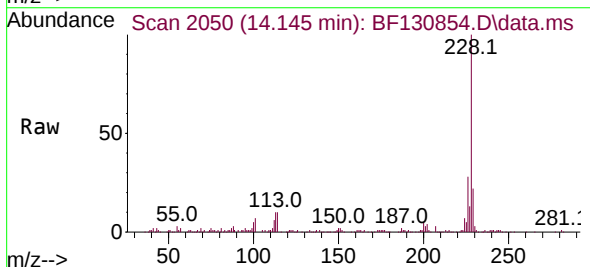
Tgt Ion:228 Resp: 8164
Ion Ratio Lower Upper
228 100
226 28.7 21.4 32.2
229 20.9 15.8 23.6

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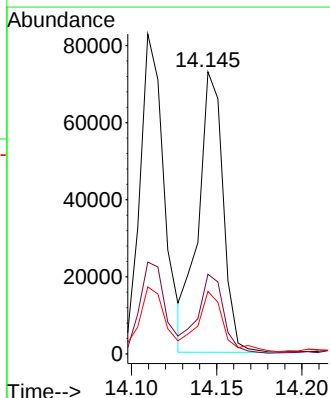
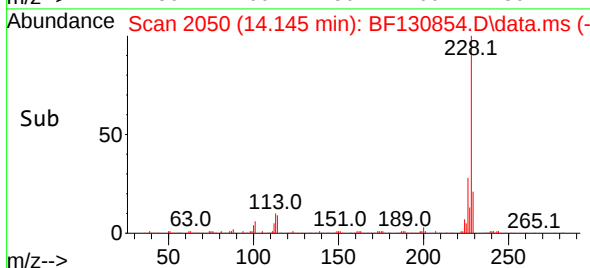
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022

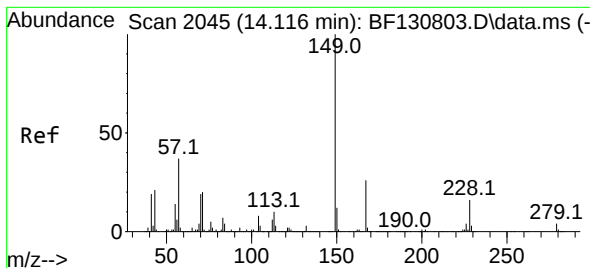


#83
Chrysene
Concen: 6.801 ng
RT: 14.145 min Scan# 2050
Delta R.T. -0.012 min
Lab File: BF130854.D
Acq: 29 Oct 2022 13:41



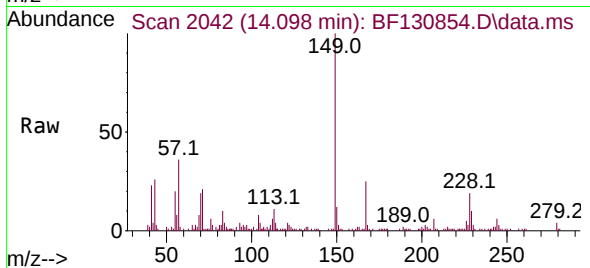
Tgt Ion:228 Resp: 73972
Ion Ratio Lower Upper
228 100
226 28.2 23.9 35.9
229 22.2 15.8 23.6





#84
Bis(2-ethylhexyl)phthalate
Concen: 3.933 ng
RT: 14.098 min Scan# 2042
Delta R.T. -0.006 min
Lab File: BF130854.D
Acq: 29 Oct 2022 13:41

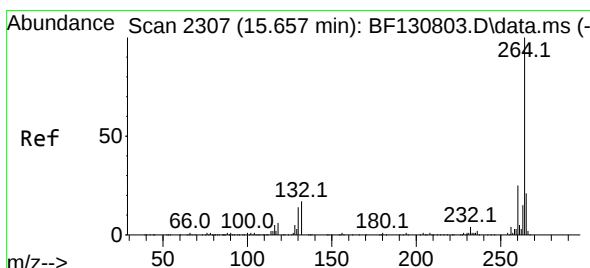
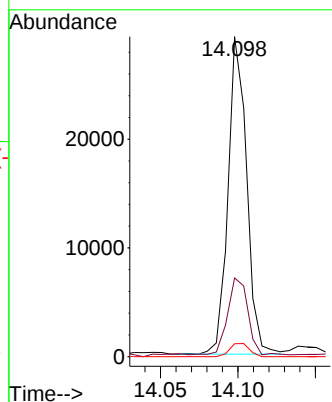
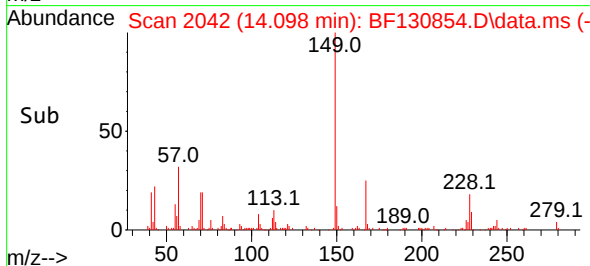
Instrument :
BNA_F
ClientSampleId :
LACY-03



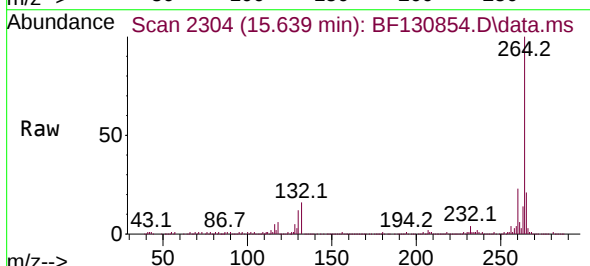
Tgt Ion:149 Resp: 24410
Ion Ratio Lower Upper
149 100
167 24.6 21.0 31.4
279 4.0 3.0 4.6

Manual Integrations
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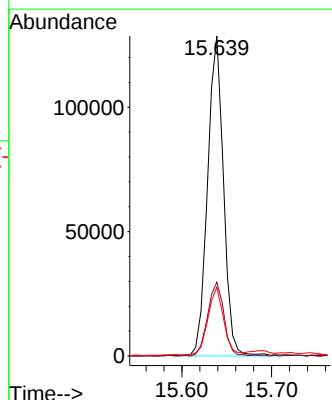
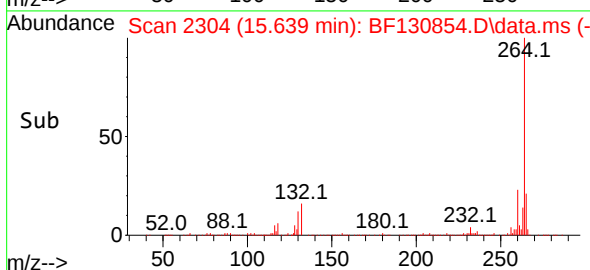
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022

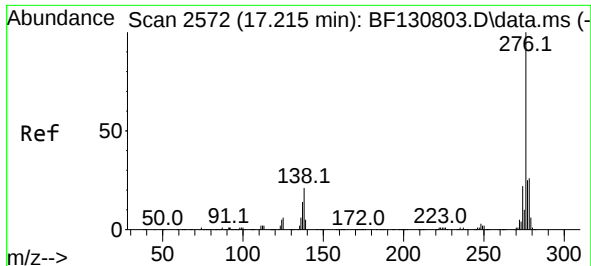


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2304
Delta R.T. -0.006 min
Lab File: BF130854.D
Acq: 29 Oct 2022 13:41



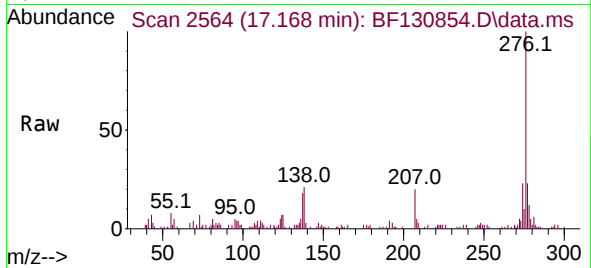
Tgt Ion:264 Resp: 158495
Ion Ratio Lower Upper
264 100
260 23.1 19.9 29.9
265 21.5 17.0 25.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.901 ng
RT: 17.168 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF130854.D
Acq: 29 Oct 2022 13:41

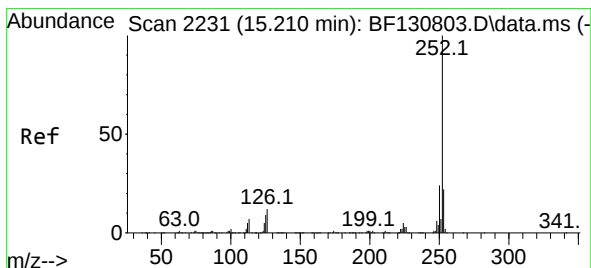
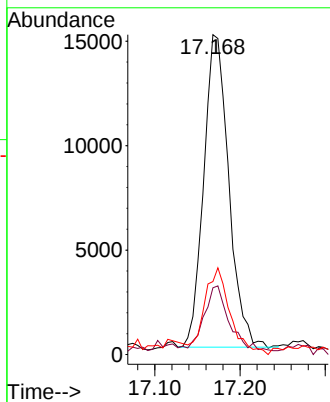
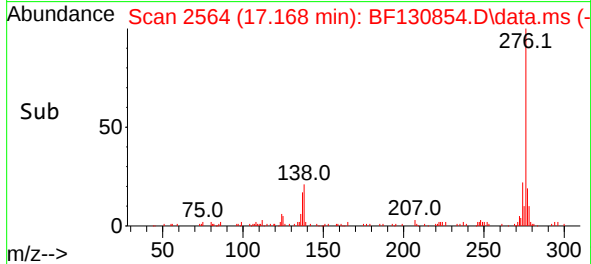
Instrument :
BNA_F
ClientSampleId :
LACY-03



Tgt Ion:276 Resp: 30533
Ion Ratio Lower Upper
276 100
138 22.2 19.1 28.7
277 28.4 20.1 30.1

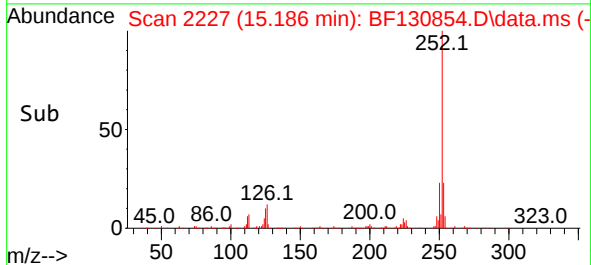
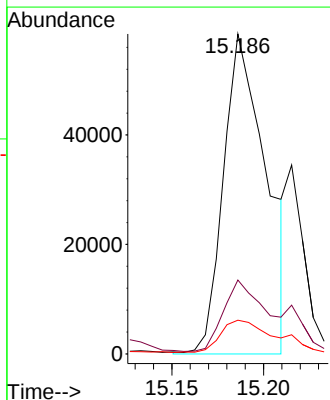
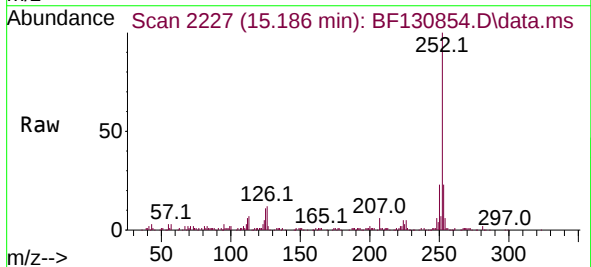
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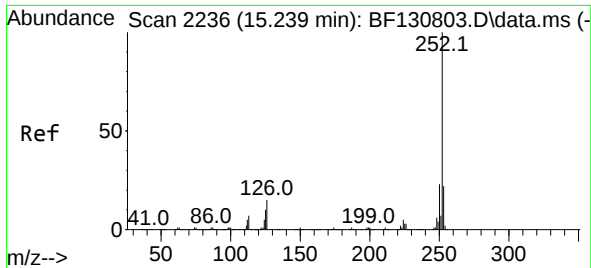
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#88
Benzo(b)fluoranthene
Concen: 9.206 ng m
RT: 15.186 min Scan# 2227
Delta R.T. -0.012 min
Lab File: BF130854.D
Acq: 29 Oct 2022 13:41

Tgt Ion:252 Resp: 94322
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 10.5 7.0 10.4#





#89

Benzo(k)fluoranthene

Concen: 2.371 ng m

RT: 15.215 min Scan# 2232

Delta R.T. -0.012 min

Lab File: BF130854.D

Acq: 29 Oct 2022 13:41

Instrument :

BNA_F

ClientSampleId :

LACY-03

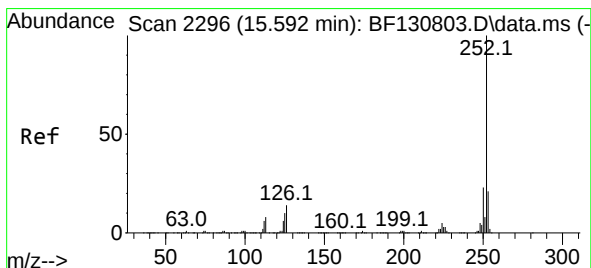
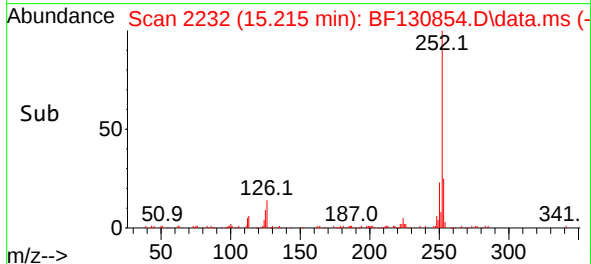
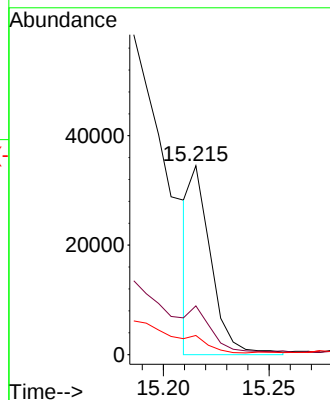
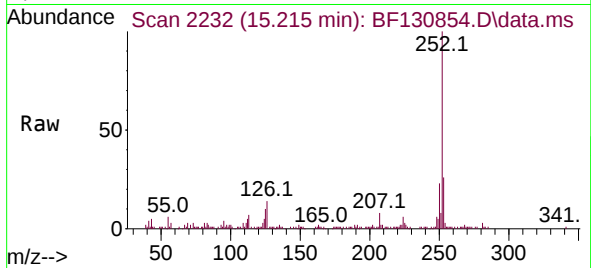
Tgt Ion:252	Resp:	23669
Ion Ratio	Lower	Upper
252	100	
253	25.8	17.5 26.3
125	10.2	8.0 12.0

Manual Integrations

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Reviewed By :Christian Giraldo 10/31/2022

Supervised By :Jagrut Upadhyay 11/01/2022



#90

Benzo(a)pyrene

Concen: 7.345 ng

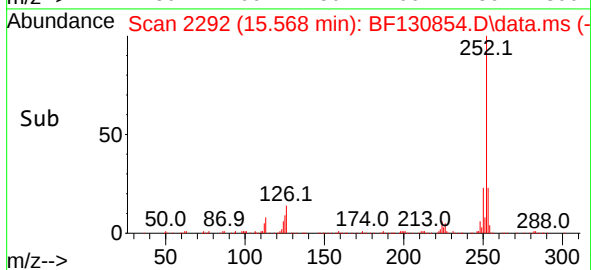
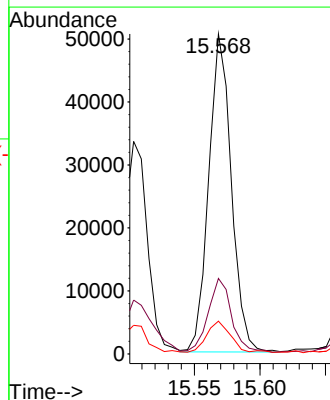
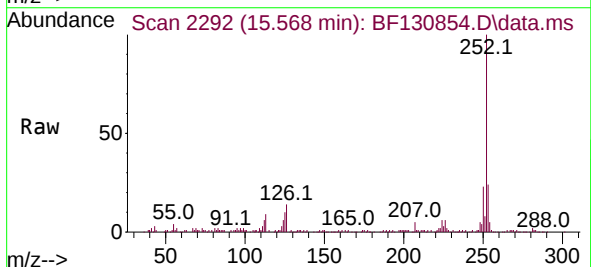
RT: 15.568 min Scan# 2292

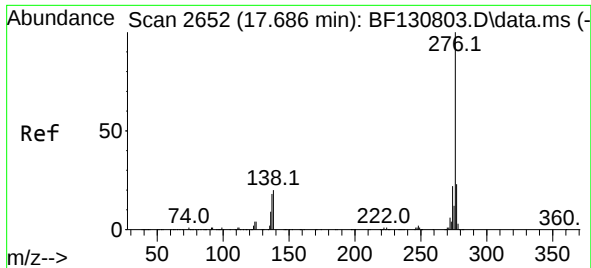
Delta R.T. -0.012 min

Lab File: BF130854.D

Acq: 29 Oct 2022 13:41

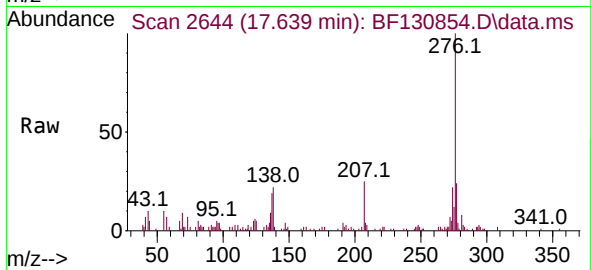
Tgt Ion:252	Resp:	60499
Ion Ratio	Lower	Upper
252	100	
253	23.6	16.8 25.2
125	10.2	8.3 12.5





#92
 Benzo(g,h,i)perylene
 Concen: 3.339 ng
 RT: 17.639 min Scan# 20
 Delta R.T. -0.030 min
 Lab File: BF130854.D
 Acq: 29 Oct 2022 13:41

Instrument :
 BNA_F
 ClientSampleId :
 LACY-03



Tgt Ion:	276	Resp:	29229
Ion Ratio	Lower	Upper	
276	100		
277	23.9	18.8	28.2
138	21.5	16.3	24.5

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 10/31/2022
 Supervised By :Jagrut Upadhyay 11/01/2022

